

WHAT IS CLAIMED IS:

1. A method for manufacturing magnetic paint comprising the step of subjecting a mixed solution containing at least a binder, a solvent, and a magnetic powder to a dispersion treatment with a dispersion device by the use of dispersion media through a main dispersion step, wherein the dispersion in the main dispersion step is carried out by the use of dispersion media having an average particle diameter y (nm) satisfying the relationship, which is represented by the following formula:

$$y \leq 0.01x,$$

with the average maximum diameter x (nm) of the magnetic powder, so as to prepare the magnetic paint.

2. The method for manufacturing magnetic paint according to Claim 1, wherein the magnetic powder has an average maximum diameter of 100 nm or less.

3. The method for manufacturing magnetic paint according to Claim 1, wherein the magnetic powder is an acicular ferromagnetic metal powder and the average maximum diameter x is an average major-axis length.

4. The method for manufacturing magnetic paint

according to Claim 1, wherein a preliminary dispersion step is included in addition to the main dispersion step.

5. The method for manufacturing magnetic paint according to Claim 4, wherein the dispersion media used in the main dispersion step have an average particle diameter γ of 0.8 mm or less.

6. The method for manufacturing magnetic paint according to Claim 4, wherein the paint concentration of the mixed solution is within the range of 5 to 20 percent by mass in terms of a solid concentration during the main dispersion step.

7. A magnetic recording medium comprising a magnetic layer provided on a non-magnetic support directly or with a non-magnetic layer therebetween, wherein the magnetic layer is formed through application of the magnetic paint prepared by the manufacturing method comprising the step of subjecting a mixed solution containing at least a binder, a solvent, and a magnetic powder to a dispersion treatment with a dispersion device by the use of dispersion media through a main dispersion step, wherein the dispersion in the main dispersion step is carried out by the use of dispersion media having an average particle diameter γ (mm)

satisfying the relationship, which is represented by the following formula:

$$y \leq 0.01x,$$

with the maximum diameter x (nm) of the magnetic powder, so as to prepare the magnetic paint.